NOVEMBER/DECEMBER 2024

23USEL24 — TROUBLE SHOOTING AND MAINTENANCE OF AUDIO AND VIDEO EQUIPMENTS (SEC III)

Time : Three hours Maximum : 75 marks

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SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. What is compact disc?
2. Which type of LASER used for optical recording?
3. How the microphone works?
4. What does a speaker do?
5. Expand PAL.
6. State the function of television transmitter.
7. Define HD format.
8. List out the different video formats.
9. Expand LCD TV.
10. Give the meaning of DTH.

SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) List out the advantages of compact disc.

Or

(b) Briefly explain the different types of optical recording.

12. (a) Explain the requirements of public addressing system.

Or

(b) Write a short note on stereophony.

13. (a) Briefly explain the function of television receiver.

Or

(b) Depict the evolution of televisions.

14. (a) Write the processes involved in video writing on a disc.

Or

(b) Briefly describe the mechanism of extracting video data from a DVD.

15. (a) How a Dish TV works?

Or

(b) Write a note on co-axial wire.

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SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Describe the processes involved in recording and reproduction of video and audio data on compact disc.

17. Illustrate the public addressing system installation and working for a public meeting.

18. Explain the working mechanism of television broadcasting.

19. Exemplify with black diagram of MAC recorder on explain its functions.

20. Explicate with black diagram and working mechanism of CCTV.

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